

GenCore version 4.5
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 OM nucleic - nucleic search, using sw model
 Run on: May 11, 2002, 14:47:39 ; Search time 1478.06 Seconds
 (without alignments)
 17934.333 Million cell updates/sec

Title:	US-09-911-513-1
Perfect score:	1964
Sequence:	ttataatcatttttttttt.....ttctaaattactcacactggc 1964
Scoring table:	IDENTITY_NUC
	Gapop 10.0 , Gapext 1.0
Searched:	13736207 seqs, 6748477542 residues
Total number of hits satisfying chosen parameters:	27472414
Minimum DB seq length:	0
Maximum DB seq length:	2000000000
Post-processing:	Maximum Match 0%
	Listing first 45 summaries
BM177413	sai181a0.
BH483575	BOHQX856TR
BG43698	GA_Ea002
AV396192	SH02e12_Y
BC510374	sac76hd8
BH45618	BOGR42TR
BG790472	sae58a03.
BG467356	00978_lea
BF000363	EST471861
BB329503	sog6b12_Y
AV423888	AV423888
AV413998	AV413998
BM358310	GA_Ea000
B1972280	sug89ge03.
AM58919	EST317542
AV348855	GM2.0010A
BG043071	su91h01_Y
BF588997	FMI_37_F0
AI416823	sal18d06_Y
B62460	T21N16TF TA
BF324736	su14909_Y
AW34476	sk94h05_Y
BF009011	ss12C03_Y
B62171	T20L13TF TA
BG586197	EST488265
AL378474	MtBB319D11
AN310145	SF319Q8_X
T46205	9468 Lamboda

ALIGNMENT S

/dev_stage="Immediately prior to inoculation with
 Sinorhizobium meliloti (0 hour)"
 /lab_host="E.coli strain XLOLR"
 /note="Vector: pBluescript SK -; Site_1: EcoRI; Site_2:
 XbaI; cDNA was prepared from polyA+ enriched RNA. The vector
 was directionally ligated into the unique XbaI vector 1.
 Stratagene and packaged using Gigapack III Gold pack-
 age extracts. Plasmids containing cDNA inserts were excised
 from the recombinant lambda-dap phage using Ex-assis-
 tive helper phage and propagated in XLOLR cells."
 158 a 125 c 148 g 195 t

sp. glycines (Plant Cell Report 18:375-380). Cultivar PI 56734 is partially resistant to the disease SBS. Plant tissue (expanded leaves, folded leaves, and new shoots) were collected at 1, 6, 24, and 48 hrs. after inoculation and their mRNA pooled equally for cDNA construction. The library was prepared using the Stratagene pBluescript II SK(+) library construction kit. Complementary DNA was synthesized from mRNA using a primer consisting of a poly(dt) sequence with an XbaI restriction site. EcorI adaptors were ligated to the blunt-ended cDNA fragments followed by XbaI digestion. The cDNA insert is protected from XbaI digestion via methylation during first strand synthesis. The cDNA fragments were directionally cloned into the EcoRI-XbaI restriction site of the pBluescript vector. The ligated cDNA fragments were transformed into E.coli Electropax DH10B host cells. Plants were inoculated by Shuxian Li (Glen Hartman lab, University of Illinois). Library was constructed by Steve Clough (Lila Vodkin lab, University of Illinois).^a

; mRNA sequence.

; mRNA sequence.
 ACCESSION BG155663
 VERSION BG155663.1 GI:12689327
 KEYWORDS EST.
 SOURCE soybean.
 ORGANISM Glycine max
 Eukaryota; Viridiplantae; Streptophyta; Tracheophyta;
 Spermatophyta; Magnoliophyta; eudicots; core eudicots;
 Rosidae; eurosids I; Fabales; Fabaceae; Papilionoideae; Phaseoleae;
 Glycine.

REFERENCE	AUTHORS	TITLE	JOURNAL	COMMENT
1 (bases 1 to 543)	Shoemaker, R., Keim, P., Vodkin, L., Coryell, V., Khanna, A., Bolla, B., Marra, M., Hillier, L., Kucaba, T., Martin, J., Beck, C., Steptoe, M., Theising, H., Alien, M., Wylie, T., Underwood, K., Swaller, T., Gibbons, M., Pape, D., Harvey, N., Schurk, Y., Person, B., Ritter, E., Kohu, S., Shin, T., Jackson, Y., R., Waterston, R., and Wilson, R.	Public Soybean EST Project	Washington University School of Medicine	Contact: Shoemaker R/Public Soybean EST Project Public Soybean EST Project Unpublished (1999)

JOURNAL COMMENT	Medicago truncatula leaf library Unpublished (2000)
Contact: May GD	
Plant Biology Division	
The Samuel Roberts Noble Foundation	
2510 Sam Noble Parkway, Ardmore, OK 73402, USA	
TeI: 580 221 7391	
Fax: 580 221 7380	
Email: gdmay@noble.org	
Insert Length: 686 Std Error: 0.00	
Plate: 083 row: C column: 09	
Seq primer: TCAACAGAAAGCTATGAC.	
Location/Qualifiers	
1. .686	
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/db_xref="Taxon:3880"	
/clone="NFI03C09LF"	
/clone_lib="Developing leaf"	
/tissue_type="leaf"	
/dev_stage="Pooled developmental"	
/note="Vector: Lambda Zap; Contains a mixture of very young, developing, mature and senescent leaves."	
183 a 151 c 147 g 199 t 6 others	
FEATURES source	
BASE COUNT RIGGIN	

search completed: May 11, 2002, 16:02:11
job time: 4472 sec

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